

## UNIVERSITY OF LOUISIANA AT LAFAYETTE

### Chemistry 101: Introductory Chemistry (3,0,3)

**Course Maximum Enrollment:** 25

**Special Facility or Equipment:** Lecture room with facilities for lecture/demonstration with multimedia available and preferably running water/sink and gas; student desks suitable for note-taking.

**Lab Fee:** none

**Course Description:** A survey of elementary chemistry including the role of chemistry in the modern world. This course is not designed for students planning a major in a science field. Credit not given for both Chem 101 and 107.

**Pre- and Co-requisites:** Eligibility for Math 105.

**Texts:** "World of Chemsitry" by Joesten and Wood. 2<sup>nd</sup> ed., Harcourt Publishing.

**Course Goals:** In Chem 101, the students should discover the everyday applications of chemistry and make connections to biology, earth science and physical science. Students should also develop study skills and problem solving and critical thinking strategies.

#### **Course Content/Outline:**

Week 1	Introduction and Chemistry and the World (Discussion)
Week 2	Chemical View of Matter
Week 3	Atoms & Reactions
Week 4	Seminar/Discussion & EXAMINATION 1
Week 5	Periodic Table
Week 6	Nuclear Changes
Week 7	Chemical Bonds
Week 8	Seminar/Discussion & EXAMINATION 2
Week 9	States of Matter and Solutions
Week 10	Chemical Reactivity
Week 11	Gases
Week 12	Seminar/Discussion & EXAMINATION 3
Week 13	Acids and Bases
Week 14	Oxidation and Reduction
Week 15	Discussion & EXAMINATION 4
Week 16	Comprehensive Final

**\*\*NOTE** - This serves only as a tentative schedule. However the EXAMINATIONS dates are definite.

**Assessment:**

4 Examinations	400 points
Comprehensive Final	200 points
Weekly quizzes	100 points
Report	<u>100 points</u>
Total	800 points

**Grading/Absence Policies:** Final grade will be based on the cumulative points. The recommended scale is:

A = 90 - 100%  
B = 80 - 89%  
C = 70 - 79%  
D = 60 - 69%  
F = 59% or lower

Make-up examinations will be given only to those persons having legitimate excuses. The instructor should be contacted in advance of missing an exam. It is the discretion of the instructor to accept an excuse. It is the responsibility of the student to arrange with the instructor for make-up examinations.

Attendance is mandatory. Grades may be lowered for excessive absences. Or students maybe dropped or receive a grade of "F" for missing more than 10% of class meetings.

**Students with Disabilities:** Students with disabilities that may require assistance or accommodation or with questions related to any accommodations for testing, note takers, readers, etc. should contact the instructor as soon as possible. Students may also contact the Dean of Students with questions about such services.

**Emergency Evacuation Procedure:** A map of this floor is posted in the building near all exits and elevator. This map marks the evacuation route and the Designated Rescue Area. This area is where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Student who may need assistance should identify themselves to the teaching faculty.